

## Surgical device for removal of tissue cells from

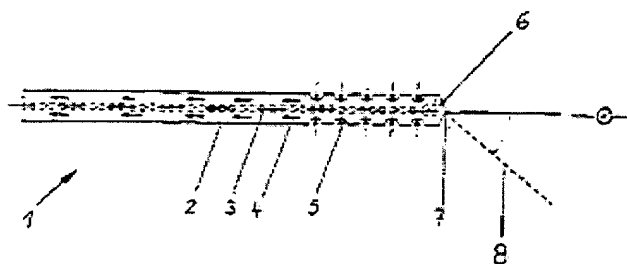
**Patent number:** DE10033278  
**Publication date:** 2002-01-24  
**Inventor:** PEIN ANDREAS (DE)  
**Applicant:** ANDREAS PEIN MEDIZINTECHNIK GM (DE)  
**Classification:**  
- international: A61B17/22; A61B17/32; A61M1/00  
- european: A61B17/22J  
**Application number:** DE20001033278 20000707  
**Priority number(s):** DE20001033278 20000707

### Also published as:

WO0203866 (A3)  
WO0203866 (A2)  
US2004092987 (A1)  
CA2415129 (A1)

### Abstract of DE10033278

Fatty tissue is conventionally removed from the human body by disrupting the fatty tissue cells, by means of ultrasound and then being sucked out. The above damages the human body as other neighbouring tissue cells, such as blood cells, are also disrupted. A surgical device is thus disclosed, comprising a liquid jet device (1), with a particular operating hand piece (1). Said operating hand piece (1), comprises a capillary (3) for the emerging liquid jet and a capillary (4) for sucking out the separated tissue cells. The emerging liquid jet is formed in cross-section so as to give a sloughing effect.



Data supplied from the esp@cenet database - Worldwide